

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2228	379/406.01-406.16.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:28
L2	1269	381/71.1-71.14.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:28
L3	223	381/66.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:28
L4	0	1 and 2 and audio with mixer with (amplifi\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:29
L5	6	1 and 2 and(echo with cancel\$3) same ((background environmental) with noise with (suppress\$4 filter\$4 remov\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:29
L6	0	1 and 2 and nlss	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:29
L7	0	1 and 2 and((background environmental) with noise with suppress)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:30

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L8	0	1 and 2 and \$4phone with gps	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/17 17:30
L9	6	1 and 2 and ((echo with cancel\$3) same ((background environmental) with noise with (suppress\$4 filter\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:31
L10	9	1 and 2 and ((echo with cancel\$3) same ((background environmental) with noise ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:31
S5	6	("5268834" "6195430" "6532454").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 09:45
S6	2014	(car vehicle) and speaker and amplifier and phone and (cd dvd tape tuner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 09:46
S7	86	(car vehicle) and (speaker same amplifier same phone same (cd dvd tape tuner))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 09:57
S8	31	(car vehicle) and (speaker with amplifier with phone with (cd dvd tape tuner))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 09:52

## EAST Search History

S9	4	S8 and echo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 09:47
S10	31	(car vehicle automobile) and (speaker with amplifier with phone with (cd dvd tape tuner))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:28
S11	1889	audio with mixer with (amplifi\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:29
S12	238	(audio with mixer with (amplifi\$5)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 01:14
S13	44	(audio with mixer with (amplifi\$5)).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 09:58
S14	12	(audio with mixer with (amplifi\$5) and (car vehicle automobile)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 10:00
S15	10256	(echo with cancel\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 03:12

## EAST Search History

S16	91	(echo with cancel\$3 with casc\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:05
S17	0	S16 and ( (noise echo) with suppress\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 01:17
S18	0	S16 and ( (noise echo) same suppress\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 01:17
S19	25	S15 and ( (noise echo) same suppress\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 01:17
S20	6	S15 and ( (noise) with suppress\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 01:17
S21	33	(echo with cancel\$3 with casc\$4) and (noise with (filter\$3 suppress\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:34
S22	14	"non\$linear spectral subtraction"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:42

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S23	347	nlss	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:29
S24	1	S15 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:35
S25	3	S23 and (adaptive with filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:37
S26	3	S23 and (voice with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:43
S27	27	S23 and ((background environmental) with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:53
S28	2	nlss with noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:45
S29	0	S23 and ((background environmental) with noise with suppress)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:53

## EAST Search History

S30	78	S15 and((background environmental) with noise with suppress)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:30
S31	1	S15 and((background environmental) with noise with suppress with advantage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 02:59
S32	95	(echo with cancel\$3) same ((background environmental) with noise with suppress\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 03:17
S33	38	S32 and microphone and speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 03:17
S34	145	(echo with cancel\$3) same ((background environmental) with noise with (suppress\$4 filter\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:30
S35	72	S34 and microphone and speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 03:19
S36	158	(echo with cancel\$3) same ((background environmental) with noise with (suppress\$4 filter\$4 remov\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/17 17:29

## EAST Search History

S37	79	S36 and microphone and speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 03:19
S38	123460	"455"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 18:01
S39	2084	S38 and \$4phone with gps	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/17 17:30
S40	31	S38 and (\$4phone with gps with advantage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 18:03